SAFETY DATA SHEET

According to REACH, Regulation (EC) Nº 1907/2006 and amendments

Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FUNCTIONAL HF-560</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Mixture</td>
</tr>
<tr>
<td>Product Use</td>
<td>Hydraulic Fluid Additive for Biodegradable Base Oils</td>
</tr>
<tr>
<td>CAS Registry Number</td>
<td>Mixture</td>
</tr>
<tr>
<td>Revision Date</td>
<td>November 18, 2014</td>
</tr>
</tbody>
</table>

Manufacturer: Functional Products, Inc.
8282 Bavaria Road Macedonia,
Ohio 44056, USA Tel (USA): + 1 330-963-3060
Fax (USA): + 1 330-963-3322
E-mail: SDS@functionalproducts.com

European Supplier: Lumar Quimica S.L.U.
Milanesat, 25-27, 4t. 1a.
08017 Barcelona
Spain
Tel: + 34 93 594 75 00
Fax: + 34 93 594 75 01
E-mail: lumar@lumarquimica.com

Emergency Phone Numbers:
United States: + 330-963-3060 (8:00AM-5:00PM EST)
Europe: + 34 93 594 75 00 (08:00 -13:00 14:00-17:00)
France (ORFILA): + 33 (0)1 45 42 59 59

Section 2: HAZARDS IDENTIFICATION

GHS Classification

Eye damage/ Eye Irritation: Category 2B. Skin Irritation: Category 2. Inhalation: Category 5

Oral: Category
GHS Label Elements

Signal Word

Warning

Hazard Statements

H320- Causes eye irritation.  H316 - Causes skin irritation.  H333 - May be harmful if inhaled.

H302- Harmful if swallowed.

Precautionary Statements

Prevention

P280- Wear protective gloves/protective clothing/eye protection.

P264– Wash thoroughly after handling.

Response

P305 + P351 + P338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P337 + P313 – If eye irritation persists: Get medical advice/attention.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.  P332 + P313 – If skin irritation occurs: get medical/attention.

Disposal

P501 – Dispose of contents/container in accordance with local / regional / national / international regulations.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance/ Preparation</th>
<th>(%) W/W</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl phenols</td>
<td>30 – 60</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Alkyl Diphenyl Amine</td>
<td>10 – 30</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Alkyl Triazole</td>
<td>0 – 10</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Amine Phosphate</td>
<td>5 – 15</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>0 – 10</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Refined Canola Oil</td>
<td>0 – 10</td>
<td>120962-03-0</td>
</tr>
</tbody>
</table>
Section 4: FIRST-AID MEASURES

Inhalation: If inhaled, remove to fresh air. Get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If affected person is conscious, give plenty of water to drink. Never give anything to drink to an unconscious person. Get medical attention if symptoms appear.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Section 5: FIRE-FIGHTING MEASURES

Flash Point: Approximately 112° C / 234° F
Upper Flammable Limit: Not determined.
Lower Flammable Limit: Not determined.
Extinguishing Media: In case of fire use water spray (fog), foam or dry chemicals.
Hazardous Combustion Products: Oxides of carbon, phosphorus and nitrogen; smoke and fumes.
Fire-Fighting Procedures: Recommended wearing self-contained breathing apparatus and full turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Personal Protective Equipment must be worn. Keep unnecessary personnel away.

Environmental Precautions And Clean Up Methods: Spills should be contained, absorbed and containerized for disposal in accord with local, state and federal regulations. Prevent entry to sewers and waterway.

Section 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling.
Storage: Keep container tightly closed, in cool, well-ventilated area.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use with adequate ventilation.
Hands: Use chemical resistant, impervious gloves.
Eyes: Use safety glasses, goggles or face mask.
Clothing: Long sleeve shirt is recommended.
Inhalation: Remove to fresh air. Get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Amber
Odor: Sweet odor.
Density: 0.96 g / cm3 at 15 deg C (59 Deg F)
Solubility: Insoluble in water.
Boiling Point: N / A
Vapor Pressure: < 0.1
Evaporation Rate: < 1

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable.
Incompatibility: Strong oxidants and reducing agents.
Conditions to Avoid: Not known

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

Oral Toxicity: No data available
Eye Irritation: No data available
Skin Irritation: No data available
Dermal Toxicity: No data available
Inhalation Toxicity: No data available

CHRONIC EXPOSURE

Chronic Toxicity: No data available
Carcinogenicity: No data available
Teratogenicity: No data available
Reproductive Toxicity: No data available

Section 12: ECOLOGICAL INFORMATION

Environmental Hazards: No data available
Environmental Fate: No data available
Fish Toxicity: No data available
Algae Toxicity: No data available
Bacteria Toxicity: No data available

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Section 14: TRANSPORTATION INFORMATION

U.S. DOT Description/Proper Shipping Name
Environmentally Hazardous Substances, Liquid, N.O.S.
(Alkylphenols)

U.S. DOT Hazard Class: 9
U.S. DOT ID Number: UN3082
U.S. DOT Packing Group III

Land & Air Transport
No regulation as long as shipping volume does not exceed 119 gallons. If volume exceeds 119 gallons, the material must be labeled as a Class 9 Hazardous Material and must be handled by a trained individual.

Marine Transport
This substance is a marine pollutant and any quantity (including trace amounts) shipped overseas must be labeled as a Class 9 Hazardous Material and must be handled by a trained individual.

Section 15: REGULATORY INFORMATION

U.S. TSCA Inventory: Yes
Other TSCA Reg.: No
SARA EXT. HAZ. SUBS: No
SARA Section 313: No
CERCLA: No
CAL. PROP. 65: No
Japan MITI: Listed - MITI
Australia: Listed - AICS
Europe: Listed - EINECS
Polymers are exempt from EINECS inventory under the polymer exemption.
China Listed - IECSC
Canada Listed - DSL
WHMIS – not controlled.
Korea Listed - KECI
New Zealand Listed - NZIoC
Philippines Listed - PICCS

Section 16: OTHER INFORMATION

NFPA Code Health: 2 Fire: 1 Reactivity: 0

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